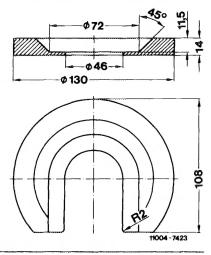
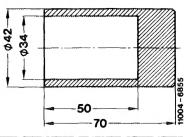
## Self-made tools

Pressing-off disk for impeller

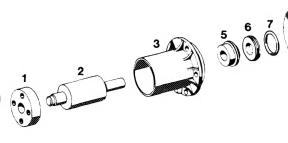


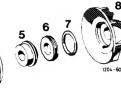
Pressing-in sleeve



Fan hub
Coolant pump shaft with compact bearing
Bearing housing

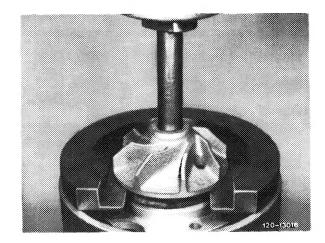
5 Slide ring seal 6 Counterring 7 O-ring 8 Impeller



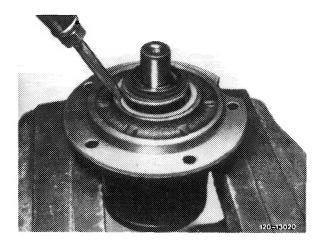


## Disassembly

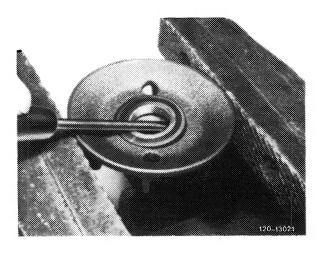
1 Press off impeller. For this purpose, place pressingoff disk between impeller and bearing housing.



2 Apply light hammer blows at several points between bearing housing and sliding ring seal to cancel the preload and force sliding ring seal out.



3 Force counterring out of impeller.



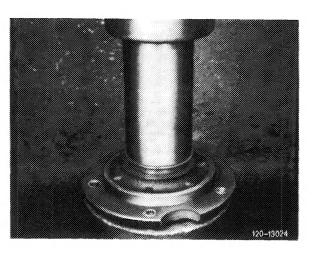
## Assembly

4 Slightly coat mounting bores of sliding ring seal in bearing housing with sealing compound (part No. 001 989 25 20).

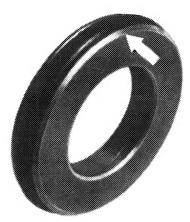
Press-in or knock-in sliding ring seal by means of pressing-in sleeve.

## Attention!

Support at bearing housing only and not at coolant pump shaft.



5 Coat O-ring on counterring with brake cylinder paste and push with chamfered side (arrow) into thoroughly cleaned impeller.



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- 6 Clean sealing surfaces of counterring and sliding ring seal free ob dust by means of chamois cloth.
- 7 Degrease shaft stub of coolant pump shaft and impeller bore.
- 8 Press-on impeller flush with shaft while supporting coolant pump shaft.

